HRS	S	S^2
Groundwater Route Score (S_{gw})	33.91	1149.89
Surface Water Route Score (S_{sw})	3.92	15.37
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		1165.26
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		34.14
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		19.73

WORKSHEET FOR COMPUTING S_M

PRO	S	S^2
Groundwater Route Score (S_{gw})	67.35	4536.02
Surface Water Route Score (S_{sw})	9.23	85.19
Air Route Score (S_a)	46.15	2129.82
$S_{gw}^2 + S_{sw}^2 + S_a^2$		6751.03
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		82.16
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		47.49

WORKSHEET FOR COMPUTING S_M

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Ground Water Route Work Sheet

Rating Factor	Assigned value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	(0) 45	1	0	45	45
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	6
Net Precipitation	0 1 (2) 3	1	2	3	2
Permeability of the Unsaturated Zone	0 (1) 2 3	1	1	3	1
Physical State	0 1 2 (3)	1	3	3	3
Total Route Characteristics Score			12	15	12
3 Containment	0 1 2 (3)	1	3	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 (12) 15 18	1	12	18	18
Hazaraous Waste Quantity	0 1 2 (3) 4 5 6 7 8	1	3	8	4
Total Waste Characteristics Score			15	26	22
5 Targets					
Ground Water Use	0 1 (2) 3	3	6	9	9
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 20 / 24 (30) 32 35 40	1	30	40	30
Total Targets Score			36	49	39
6 If line 1 is 45, multiply 4 x 4 x 5 / if line 1 is 0, multiply 2 x 3 x 4 x 5			19440	57,330	38610
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} = 33.91			67.35

O = HRS

□ = PRO

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Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multi-plier	HRS	Max. Score	PRO
1 Observed Release	(0) 45	1	0	45	0
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					
Facility Slope and Intervening Terrain	(0) 1 2 3	1	0	3	0
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	2
Distance to Nearest Surface Water	0 (1) (2) 3	2	2	8	4
Physical State	0 1 2 (3)	1	3	3	3
Total Route Characteristics Score			7	15	9
1 Containment	0 1 2 (3)	1	3	3	3
1 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 (12) 15 (18)	1	12	18	18
Hazardous Waste Quantity	0 1 2 (3) (4) 5 6 7 8	1	3	8	4
Total Waste Characteristics Score			15	26	22
5 Targets					
Surface Water Use	0 1 (2) 3	3	6	9	6
Distance to a Sensitive Environment	0 (1) (2) 3	2	2	6	4
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 18 18 20 24 30 32 35 40	1	0	40	0
Total Targets Score			8	55	10
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			2520	54,350	5940
1 Divide line 6 by 64,350 and multiply by 100		S_{sw} =	3.92		9.23

O = HRS

□ = PRO

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Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	HRS	Max. Score	PRO
[1] Observed Release	(0) [45]	1	0	45	45
Date and Location:					
Sampling Protocol:					
If line [1] is 0, the S_a = 0. Enter on line [5] If line [1] is 45, then proceed to line [2]					
[2] Waste Characteristics					
Reactivity and Incompatibility	0 [1] 2 3	1		3	1
Toxicity	0 1 2 [3]	3		9	9
Hazardous Waste Quantity	0 1 [2] 3 4 5 6 7 8	1		8	2
	Total Waste Characteristics Score			20	12
[3] Targets					
Population Within 4-Mile Radius	0 9 12 15 18 [21] 24 27 30	1		30	21
Distance to Sensitive Environment	0 1 2 [3]	2		6	6
Land Use	0 1 2 [3]	1		3	3
	Total Targets Score			39	30
[4] Multiply [1] x [2] x [3]				35,100	16200
[5] Divide line [1] by 35,100 and multiply by 100		S_a = 0			46.15

O = HRS

□ = PRO